	Application No.	Applicant(s)
Notice of Allowability	40/000 004	SI AKE ET AL
	10/826,981 Examiner	BLAKE ET AL. Art Unit
_		
	Yon Couso	2624
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. This communication is responsive to <u>4/16/04</u> .		
2. The allowed claim(s) is/are <u>1-23</u> .		
 3. ☐ Acknowledgment is made of a claim for foreign priority un a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 		
2. Certified copies of the priority documents have been received in Application No		
3. Copies of the certified copies of the priority documents have been received in this national stage application from the		
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).		
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
Attachment(s) 1. ☑ Notice of References Cited (PTO-892)	5. ☐ Notice of Informal Pa	atent Application
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Summary	(PTO-413),
3. ⊠ Information Disclosure Statements (PTO/SB/08),	Paper No./Mail Date 7. Examiner's Amendr	e nent/Comment
Paper No./Mail Date <u>4/16/04</u> 4. ☐ Examiner's Comment Regarding Requirement for Deposit		nt of Reasons for Allowance
of Biological Material		HE OF LIGHTON OF WILLOWALICE
	9. Other	

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1. The following is an examiner's statement of reasons for allowance:

Prior art fails to teach or suggest a method and a computer program product for correcting an artifact in a virtual image synthesized from stereo images, the method comprising detecting the artifact in the virtual image based on a disparity map of the stereo images, designating a source patch relative to the artifact in the virtual image, generating a target patch as a composite of a background exemplar patch and a foreground exemplar patch, each exemplar patch being identified from an image patch from at least one of the stereo images, and replacing the source patch of the virtual image with the target patch.

Prior art also fails to teach or suggest a system for correcting an artifact in a cyclopean virtual image synthesized from stereo images, the system comprising an artifact correction module that detects the artifact in the virtual image based on a disparity map of the stereo images, designates a source patch relative to the artifact in the virtual image, generates a target patch as a composite of a background exemplar patch and a foreground exemplar patch, and replaces the source patch of the virtual image with the target patch.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

2. Claims 1-23 are allowed.

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3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Steffens et al is cited because the reference teaches detecting artifacts based on the disparity map detected between multiple images.

Chen et al is cited because the reference teaches a scene depth imaging system wherein a foreground depth map id formed by analyzing the depth map of a scene.

Toyama et al is cited because the applicant has cited US Application Serial No. 09/528,827, which is now US Patent No. 6,806,898.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yon Couso whose telephone number is (571) 272-7448. The examiner can normally be reached on Monday through Friday from 8:30 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eileen Lillis, can be reached on (571) 272-6928. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

YJC

May 10, 2007

YON J. COUSO PRIMARY EXAMINER